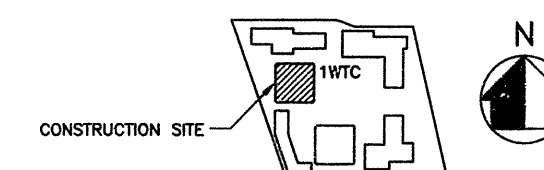


1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1. FOR INSTALLATION DETAILS, SEE DWG. E-2. FOR WIRING DIAGRAMS, SEE DWG. E-3.
2. REPLACE EXISTING STROBE WITH THE SHOWN CANDELA RATED STROBE, AND REMIRE AS SHOWN. EXISTING BACKBOX AND CONDUIT STUB CAN BE UTILIZED IF IT IS SIMILAR TO THE TYPICAL STROBE OR COMBINATION BOX. SEE INSTALLATION DETAIL "B" ON DWG. E-2.
3. ONLY AFTER INSTALLED STROBES ARE TESTED AND OPERATIONAL, SHALL CONTRACTOR REMOVE EXISTING STROBE IN THE PRESENCE OF THE ENGINEER. PATCH WALL TO MATCH EXISTING WALL FINISH.
4. SINCE FIRE ALARM CIRCUIT LENGTH IS OPTICAL, ROUTING AND INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN ON DRAWING.
5. DISCONNECT AND ABANDON EXISTING STROBE CIRCUITS IN CEILING. TAPE ENDS OF ABANDONED CONDUCTORS AND TAG AS ABANDONED. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

STROBE CIRCUIT/LOADING TABLE

STROBE TYPE AND RATING	TYPE	15cd	30cd	75cd	110cd	CURRENT PER CIRCUIT	CIRCUIT LENGTH (ft.)
	CURRENT IN AMPS (A)	0.063	0.100	0.165	0.209	(AMPS.)	
QUANTITY OF STROBES PER CIRCUIT	STR-A	8	1	1	0	0.769	402
	STR-B	10	2	0	1	1.039	466
	STR-C	11	1	0	0	0.793	339
	STR-D	9	0	0	2	0.985	403
	STR-E	3	6	0	0	0.789	375
	STR-F	6	0	2	0	0.708	261
GRAND TOTAL						5.083	2251



KEY PLAN

0 12 24  
SCALE IN FEET

EXPERT CORP.

ENGINEERING PROGRAM MANAGER  
ELECTRICAL ENGINEER

1 8/23/99 AS-BID  
No. Date Revision Approved

ENGINEERING DEPARTMENT  
DESIGN DIVISION

WORLD  
TRADE  
CENTER

ELECTRICAL

Title  
FIRE ALARM SYSTEM  
DEVICE UPGRADE  
PHASE III  
1 WORLD TRADE CENTER  
CONTRACT NO. 3  
86th FLOOR  
STROBE  
INSTALLATION AND  
REMOVAL PLAN

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

S. FELDMAN E. KOTSKI A.S.  
Designed by Drawn by Checked by

AUGUST 9, 1999  
Date

WTC-861.176 E-086-4  
Contract Number Drawing Number